Survivability of Accidents Involving Part 121 U.S. Air Carrier Operations, 1983-2000

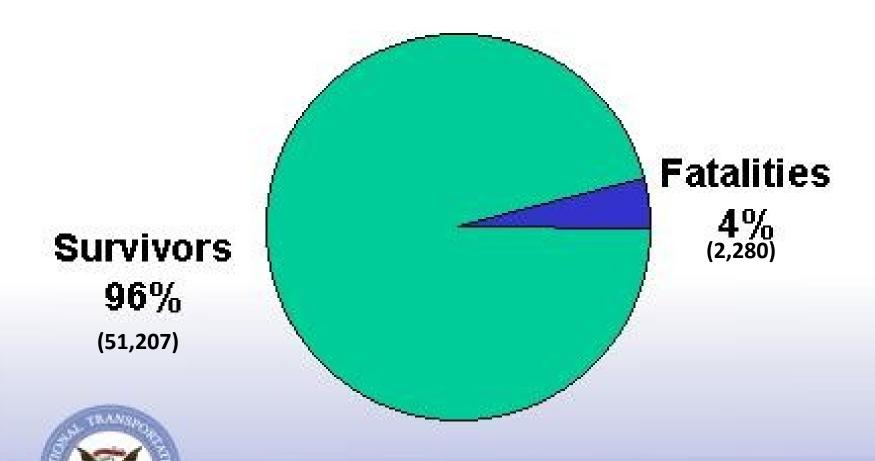






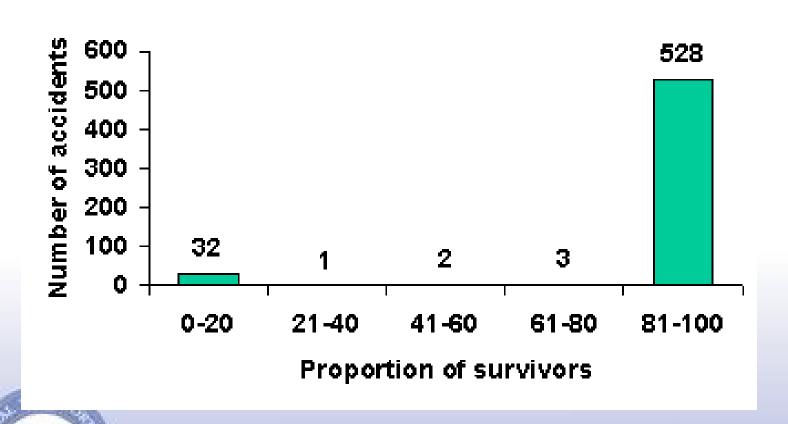


Occupant Survival for All Part 121 Accidents





Number of Part 121 Accidents with Proportions of Survivors

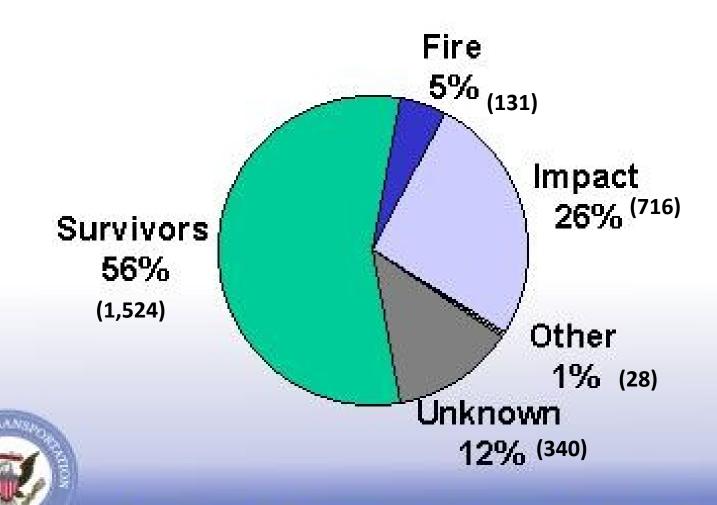


Report Definition of a Serious Accident

- At least one serious injury or fatality
- Substantial damage or complete destruction of an aircraft
- Fire (Pre-crash or Post-crash)

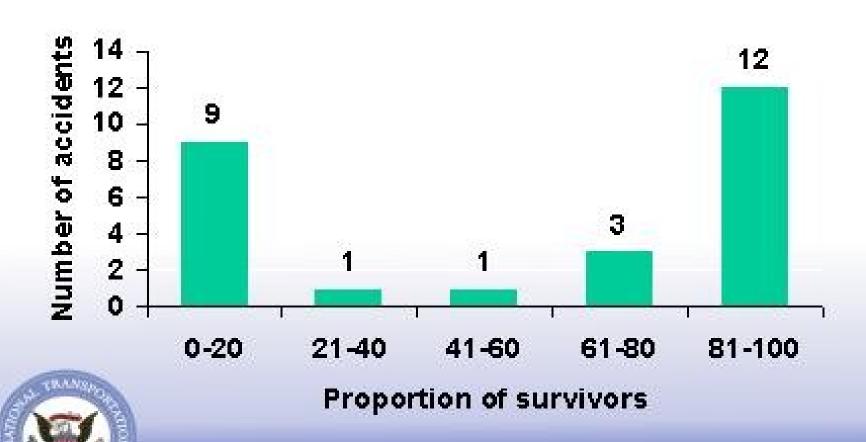


Occupant Survival for Serious Part 121 Accidents



National Transportation Safety Board

Number of Part 121 Serious Accidents with Proportions of Survivors

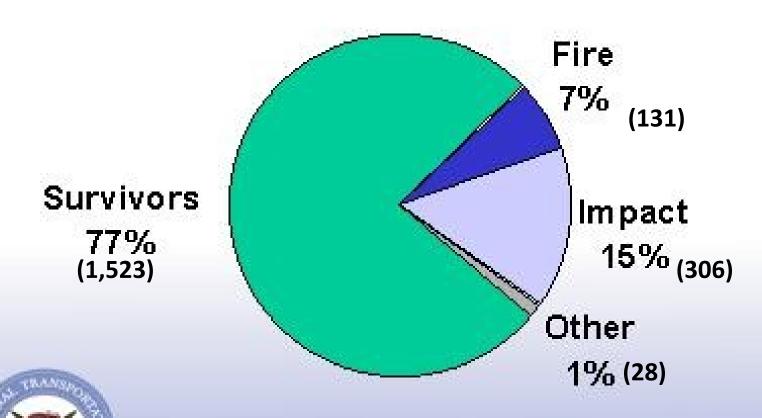




Survivable Accidents

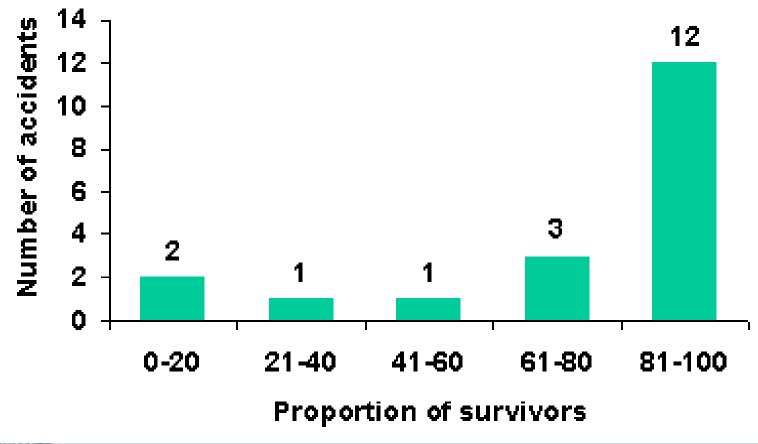
- Forces transmitted to occupants through their seat and restraint systems cannot exceed the limits of human tolerance for abrupt accelerations
- Structure in the occupants' immediate environment must remain substantially intact to the extent that a livable volume is provided throughout the crash

Occupant Survival for Survivable-Serious Part 121 Accidents





Number of Part 121 Serious-Survivable Accidents with Proportions of Survivors





Conclusions

- 96 percent survive all accidents
- 56 percent survive serious accidents
- 77 percent survive serioussurvivable accidents



Steps Passengers Can Take

- Plan escape routes
- Attend to safety briefings
- Read safety cards
- Follow crew instructions

